MULTIPLE-LAYER THREE-DIMENSIONAL DISPLAY

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A multi-layered imaging device for three-dimensional image display, comprising: a plurality of two-dimensional layers superposed in the third dimension, each of said layers having two major surfaces and at least one peripheral edge, said layers being made of a material selected from the group of non-conventional, polarizer-free liquid crystal materials including polymer-dispersed liquid crystals (PDLC) and derivatives and combinations thereof, wherein the exposure of at least one of said layers to illumination allows the transmission of light with minimal losses, facilitating utilization of a maximal number of layers for imaging a three-dimensional display.

Fig.1(b).